

**PATENT**

Docket No.: 4208-4014

Sheet 1 of 5

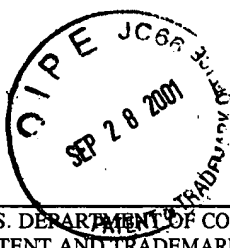


FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 4208-4014		SERIAL NO. 09/903,193	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				APPLICANT(S) HAUTANEN et al.			
				FILING DATE July 11, 2001		GROUP ART UNIT 2673	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
Ri		5,663,757	09/02/97	Morales			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES NO
Rn		WO 99/59283	11/18/99	PCT			
		JP10254966	09/25/98	Japan			Abstract
		JP10240828	09/11/98	Japan			Abstract
		JP10224291	08/21/98	Japan			Abstract
		JP10164137	06/19/98	Japan			Abstract
		JP10135945	05/22/98	Japan			Abstract
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)							
Ri			English language abstract corresponding to Patent Publication Number JP10254966, September 25, 1998 (cited above), MicroPatent Reference Number 000568745.				
			English language abstract corresponding to Patent Publication Number JP10240828, September 11, 1998 (cited above), MicroPatent Reference Number 000554610.				
			English language abstract corresponding to Patent Publication Number JP10224291, August 21, 1998 (cited above), MicroPatent Reference Number 000538088.				
			English language abstract corresponding to Patent Publication Number JP10164137, June 19, 1998 (cited above), MicroPatent Reference Number 000477972.				
Ri			English language abstract corresponding to Patent Publication Number JP10135945, May 22, 1998 (cited above), MicroPatent Reference Number 000022923.				
EXAMINER Ri DATE CONSIDERED 11/11/03							



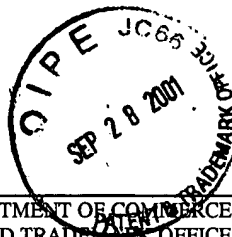
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<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES NO
Dr		JP10075220	03/17/98	Japan			Abstract
		JP10063739	03/06/98	Japan			Abstract
		JP10063212	03/06/98	Japan			Abstract
		JP10049591	02/20/98	Japan			Abstract
		JP10047974	02/20/98	Japan			Abstract
Rn		JP10027121	01/27/98	Japan			Abstract
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)</b>							
Dr		English language abstract corresponding to Patent Publication Number JP10075220, March 17, 1998 (cited above), MicroPatent Reference Number 000422182.					
		English language abstract corresponding to Patent Publication Number JP10063739, March 6, 1998 (cited above), MicroPatent Reference Number 000410704.					
		English language abstract corresponding to Patent Publication Number JP10063212, March 6, 1998 (cited above), MicroPatent Reference Number 000410177.					
		English language abstract corresponding to Patent Publication Number JP10049591, February 20, 1998 (cited above), MicroPatent Reference Number 000396562.					
		English language abstract corresponding to Patent Publication Number JP10047974, February 20, 1998 (cited above), MicroPatent Reference Number 000394945.					
Dr		English language abstract corresponding to Patent Publication Number JP10027121, January 27, 1998 (cited above), MicroPatent Reference Number 000374099.					
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				FILING DATE <b>July 11, 2001</b>		GROUP ART UNIT <b>2673</b>	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES NO
<i>Dr</i> <i>Dr</i>		JP09329449	12/22/97	Japan			Abstract
		JP09325938	12/16/97	Japan			Abstract
		JP09305514	11/28/97	Japan			Abstract
		JP09284425	10/31/97	Japan			Abstract
		EP 0797368	09/24/97	EPO			
		WO 97/32258	09/04/97	PCT			Abstract
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)</b>							
<i>Dr</i> <i>Dr</i> <i>Dr</i>		English language abstract corresponding to Patent Publication Number JP09329449, December 22, 1997 (cited above), MicroPatent Reference Number 000181773.					
		English language abstract corresponding to Patent Publication Number JP09325938, December 16, 1997 (cited above), MicroPatent Reference Number 000178455.					
		English language abstract corresponding to Patent Publication Number JP09305514, November 28, 1997 (cited above), MicroPatent Reference Number 000052867.					
		English language abstract corresponding to Patent Publication Number JP09284425, October 31, 1997 (cited above), MicroPatent Reference Number 000082080.					
		English language abstract corresponding to Patent Publication Number WO 97/32258, September 4, 1997 (cited above).					
EXAMINER	<i>Dr</i>	DATE CONSIDERED <i>11/11/03</i>					

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<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES NO
br		WO 97/22066	06/19/97	PCT			
		WO 97/21183	06/12/97	PCT			
		JP09121302	05/06/97	Japan			Abstract
		JP09083991	03/28/97	Japan			Abstract
br		JP08340310	12/24/96	Japan			Abstract
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)</b>							
br		English language abstract corresponding to Patent Publication Number JP09121302, May 6, 1997 (cited above), MicroPatent Reference Number 000222462.					
br		English language abstract corresponding to Patent Publication Number JP09083991, March 28, 1997 (cited above), MicroPatent Reference Number 000288683.					
br		English language abstract corresponding to Patent Publication Number JP08340310, December 24, 1996 (cited above), MicroPatent Reference Number 000406971.					
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<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
		JP08305327	11/22/96	Japan			Abstract
		EP 0711076	05/08/96	EPO			
		JP07214941	08/15/95	Japan			Abstract
		JP06149168	05/27/94	Japan			Abstract
		JP05233893	09/10/93	Japan			Abstract
		JP63256038	10/24/88	Japan			Abstract
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)</b>							
		English language abstract corresponding to Patent Publication Number JP08305327, November 22, 1996 (cited above), MicroPatent Reference Number 001322357.					
		English language abstract corresponding to Patent Publication Number JP07214941, August 15, 1995 (cited above), MicroPatent Reference Number 000731260.					
		English language abstract corresponding to Patent Publication Number JP06149168, May 27, 1994 (cited above), MicroPatent Reference Number 001061919.					
		English language abstract corresponding to Patent Publication Number JP05233893, September 10, 1993 (cited above), MicroPatent Reference Number 003178915.					
		English language abstract corresponding to Patent Publication Number JP63256038, October 24, 1988 (cited above), MicroPatent Reference Number 004003451.					
EXAMINER		DATE CONSIDERED					